FINAL TECHNICAL REPORT

AASERT: MATHEMATICAL LIBRARY SOFTWARE FOR APPLICATIONS OF PARALLEL SUPERCOMPUTERS

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Publications/Reports:

"Direct Numerical Simulation of Near-Wall Turbulence: Passive and Active Control," Catherine Crawford, Ph.D. Dissertation #2061-T, Mechanical & Aerospace Engineering Department, Princeton University, June 1996.

"Volumetric Analysis of a Low Reynolds Number Turbulent Boundary Layer," Carl Delo, Ph.D. Dissertation #2038-T, Mechanical & Aerospace Engineering Department, Princeton University, June 1996.

"Mean-Flow Scaling of Turbulent Pipe Flow," Mark Zagarola, Ph.D. Dissertation #2053-T, Mechanical & Aerospace Engineering Department, Princeton University, June 1996.

"The Structure and Statistics of Turbulent Flow Over Riblets," Catherine Crawford, MSE Dissertation #1989-T, Mechanical & Aerospace Engineering Department, Princeton University, January 1994.

"Structure and Statistics of Turbulent Flow Over Riblets," R. D. Henderson, C. H. Crawford, and G. E. Karniadakis, AIAA Paper #93-0548, 31st AIAA Aerospace Sciences Meeting, Reno, Nevada, 11-14 January 1993.